

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039487 A3

(51) International Patent Classification⁷: **G01N 33/53**

(21) International Application Number:
PCT/US2004/029902

(22) International Filing Date:
10 September 2004 (10.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/502,160 10 September 2003 (10.09.2003) US

(71) Applicant (*for all designated States except US*):
**SLOAN-KETTERING INSTITUTE FOR CAN-
CER RESEARCH** [US/US]; Office of Industrial Affairs,
1275 York Avenue, New York, NY 10021 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SPRIGGS, David**
[US/US]; 1233 York Ave., Apt. 22C, New York, NY 10021
(US). **DUPONT, Jakob** [US/US]; 264 Eastland Ave., Pel-
ham, NY 10803 (US).

(74) Agent: **LARSON, Marina, T.**; Oppedahl & Larson LLP,
P.O. Box 5068, Dillon, CO 80435-5068 (US).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

(88) Date of publication of the international search report:
22 September 2005

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: METHOD FOR EARLY DETECTION OF OVARIAN CANCER

(57) Abstract: YKL-40 levels in serum and plasma samples provide as an indicator of both the presence of early stage ovarian cancer and of its aggressiveness. Thus testing for YKL-40 levels in patients at risk but not yet displaying symptoms associated with ovarian cancer, or in patients newly diagnosed with early stage ovarian cancer (Stage I or II) enhance both the detection of early stage ovarian cancer and selection of treatment protocols used for early stage ovarian cancer patients.

WO 2005/039487 A3